

SACC-CI-M8MS-4P SMD R32 - Contact carrier



1412249

<https://www.phoenixcontact.com/us/products/1412249>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact carrier, 4-position, Pin, straight, M8, A-coding, SMD reflow, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Optional shield connection and seal for the device when not plugged in

Commercial data

Item number	1412249
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB22
Product key	ABQHCN
GTIN	4046356988902
Weight per piece (including packing)	5.38 g
Weight per piece (excluding packing)	2.61 g
Customs tariff number	85366990
Country of origin	DE

SACC-CI-M8MS-4P SMD R32 - Contact carrier

1412249

<https://www.phoenixcontact.com/us/products/1412249>



Technical data

Notes

Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
--------------------	--

Product properties

Product type	Contact insert
Application	Signal
Number of positions	4
Seal present	no
Shielded	no
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	III
----------------------	-----

Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\leq 100 \text{ M}\Omega$
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A

Connection data

Connection method	SMD reflow
-------------------	------------

Material specifications

Material Insulating body	PA
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0

Connector

Connection 1	
Head design	Pin
Head cable outlet	straight
Head thread type	M8
Coding	A

SACC-CI-M8MS-4P SMD R32 - Contact carrier

1412249

<https://www.phoenixcontact.com/us/products/1412249>



Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (correctly plugged in and locked)
Ambient temperature (operation) (male connector/female connector)	-55 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)

Standards and regulations

Standard designation	M8 circular connector
Standards/specifications	according to IEC 61076-2-104

Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

SACC-CI-M8MS-4P SMD R32 - Contact carrier

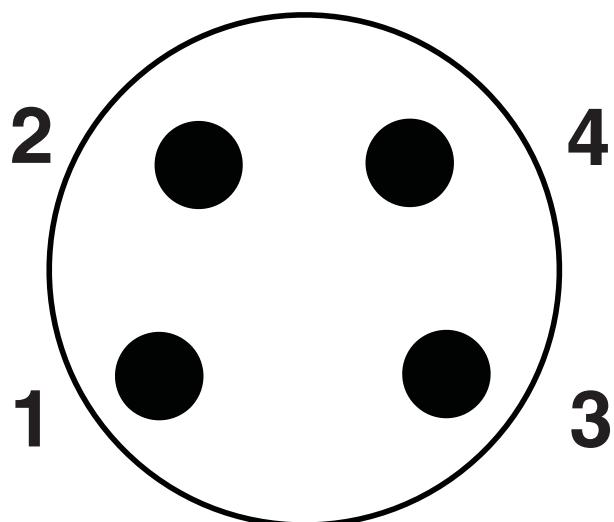
1412249

<https://www.phoenixcontact.com/us/products/1412249>



Drawings

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

SACC-CI-M8MS-4P SMD R32 - Contact carrier

1412249

<https://www.phoenixcontact.com/us/products/1412249>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412249>

cULus Recognized				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine	60 V	4 A	-	-

SACC-CI-M8MS-4P SMD R32 - Contact carrier

1412249

<https://www.phoenixcontact.com/us/products/1412249>



Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 9.0	EC003557
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SACC-CI-M8MS-4P SMD R32 - Contact carrier

1412249

<https://www.phoenixcontact.com/us/products/1412249>



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	4d5f7511-f7ff-47dd-805b-25254fb00c25

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA

586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com